INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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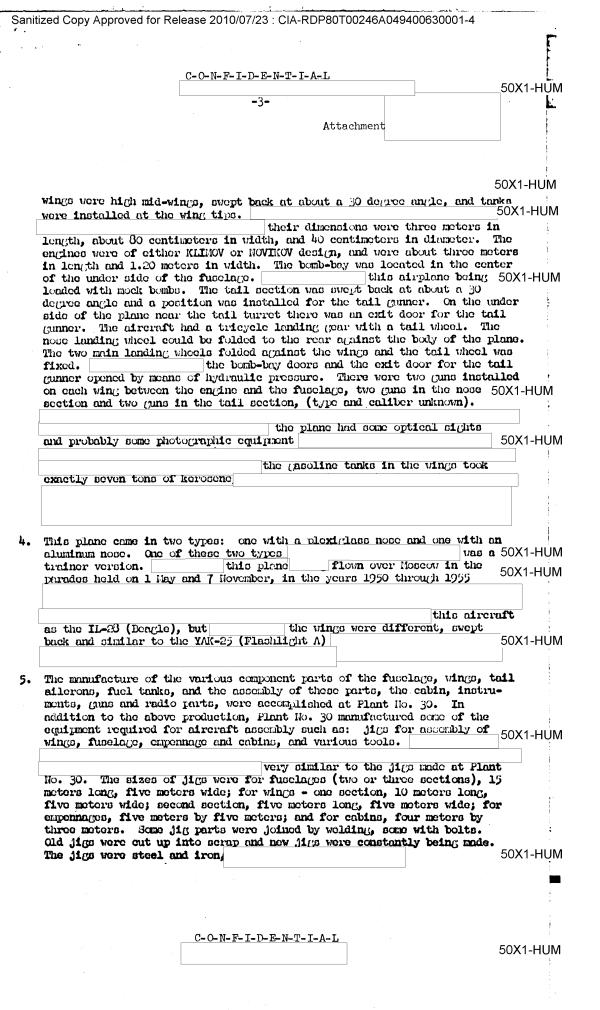
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AIRFRAME ABJEMBLY PLANT NO. 30

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navigator (Sturman) in the pilot's cabin. There were ejection saats by means of which the pilot and navigator could be ejected from the plane. these ejection seats being tested in the tower shown as point 89, Plant Layout. The ejection seats were put in a mock cabin and ejected from the cabin. They were expelled to heights of five to fifteen meters above the tower. No dummies were placed in the seats	Monufactured the Douglas aircraft At some stage No. 30 discontina light bomber to stage the stage the stage to stage the stage the stage that stage the stage the stage that stage the stage th	r. In 1945 o II-12. a passenger t. mucd making the II-12 with twin-jet engine	Planaireraft modeled on the US-manaireraft modeled on the US-manaireraft and began s. This aircraft was also one the light bomber described	of the 50X1-H
means of which the pilot and navigator could be ejected from the plane. these ejection scats being tested in the tower shown as point 89, Plant Layout. The ejection scats were put in a mock cabin and ejected from the cabin. They were expelled to heights of five to fifteen meters above the tower. No dummies were placed in the scats	Monufactured the Douglas aircraft At some stage No. 30 discontinalight bomber of the Liveshin series follows: a twin-	r. In 1945 c II-12, a passenger t. mucd making the II-12 with twin-jet engine picture of -jet engine light bo	plant aircraft modeled on the US-man aircraft modeled on the US-man aircraft and began as. This aircraft was also one the light bomber described mbor, with a plexiglass nose aircraft was also one	of the 50X1-H
these ejection scats being tested in the tower shown as point 89, Plant Layout. The ejection scats were put in a mock cabin and ejected from the cabin. They were expelled to heights of five to fifteen meters above the tower. No dummies were placed in the scats	Manufactured the Douglas aircraft At some stage No. 30 discontinal inches to bonder to the tomber of the tomber	n. In 1945 o II-12, a passenger t. mucd making the IL-12 with twin-jet engine picture of -jet engine light be the pilot's cabin.	plant aircraft modeled on the US-man aircraft modeled on the US-man aircraft and began as. This aircraft was also one the light bomber described mader, with a plexiclass nose a There were seats for a pilot aircraft was also one aircraft was also one aircraft with a plexiclass nose aircraft was a pilot aircraft was a pilot aircraft.	plant to produce of the 50X1-H as and plexi- and a 50X1-HI
Plant Layout. The ejection seats were put in a mock cabin and ejected from the cabin. They were expelled to heights of five to fifteen meters above the tower. No dummies were placed in the seats	At some stage No. 30 disconting a light bomber of light bomber of light bomber of the light stage of the light of the ligh	n. In 1945 o II-12, a passenger t. mucd making the II-12 with twin-jet engine picture of -jet engine light be the pilot's cabin.	aircraft modeled on the US-man 2 passencer aircraft and becan 5. This aircraft was also one the light bember describe abor, with a plexiclass nose a There were seats for a pilot a cabin. There were ejection sa	Plant to produce of the 50X1-H d as and plexie ats by
from the cabin. They were expelled to heights of five to fifteen meters above the tower. No dummies were placed in the scats	At some stage No. 30 disconting a light bomber of livesian series follows: a twinglass top over of navigator (Sturmeans of which the	n. In 1945 o II-12, a passenger t. mucd making the II-12 with twin-jet engine picture of -jet engine light bo the pilot's cabin. men) in the pilot's the pilot and navigar	aircraft modeled on the US-man 2 passencer aircraft and began 5. This aircraft was also one the light bember describe mber, with a plexiglass nose a There were seats for a pilot a cabin. There were ejection sa tor could be ejected from the	plant to produce of the 50X1-H d as and plexi- nd a 50X1-HI ats by plane.
above the tower. No dummies were placed in the scats	At some stage No. 30 discenting a light bomber of Ilyushin series follows: a twinglass top over the navigator (Sturmeans of which these	n. In 1945 o II-12, a passenger t. mucd making the II-12 with twin-jet engine picture of -jet engine light be the pilot's cabin. men) in the pilot's the pilot and navign s ejection seats bein	aircraft modeled on the US-man 2 passencer aircraft and began 5. This aircraft was also one the light bember describe mber, with a plexiglass nose a There were seats for a pilot a cabin. There were ejection sa tor could be ejected from the mg tested in the tower shown a	Plant to produce of the 50X1-H d as and plexi- ats by plane. s point 89,
	At some stage No. 30 discenting a light bomber of Ilyushin series follows: a twinglass top over of mavigator (Sturmeans of which these Plant Layout.	n. In 1945 o II-12, a passenger t. mucd making the II-12 with twin-jet engine picture of -jet engine light be the pilot's cabin. men) in the pilot's the pilot and naviga s ejection seats bei The ejection seats was	plant aircraft modeled on the US-man aircraft modeled on the US-man aircraft and began at the light beautiful described above when a plexiglass nose at the could be ejected from the lag tested in the tower shown a lone put in a mock cabin and ejected in the could be ejected from the lag tested in the tower shown a lone put in a mock cabin and ejected from the lag tested in the tower shown a lone put in a mock cabin and ejected from the lag tested in the tower shown a lag te	Plant to produce of the 50X1-H d as and plexi- and a 50X1-HI ats by plane. s point 89, acted
	At some stage No. 30 disconting a light bomber of Ilvushin series follows: a twinglass top over of mavigator (Sturmeans of which these Plant Layout. I from the cabin.	n. In 1945 o H-12, a passenger t. nucl making the H-1 with twin-jet engine picture of -jet engine light be the pilot's cabin. men) in the pilot's the pilot and naviga s ejection seats bei They were expelled	aircraft modeled on the US-man aircraft modeled on the US-man aircraft and began at the light beauty described above with a plexiclass nose at the could be ejected from the second of the tower shown a core put in a mock cabin and eject on heights of five to fifteen	Plant to produce of the 50X1-H d as and plexi- and a 50X1-HI ats by plane. s point 89, acted

C-O-N-F-I-D-E-N-T-I-A-L



C-Q-N-F-T-D-E-N-T-I-A-L	 50X1-HUM
-4- Attachment	

- 6. Other items manufactured at Plant No. 30 were:
 - a. Forces, dies, bore diameters, micrometers, wrenches, rulers, bits, twist drills, drills, muts, bolts, serew-cutting dies and tool kits to be placed in each aircraft.
 - b. Dermontin (artificial leather) covers for engines and pilot's cabins.
- 6-/, Plant No. 30 also manufactured the following consumer goods from scrap and waste metal:
 - a. Metal milk cans, about 70 centimeters in height, 40 centimeters in diameter:
 - b. Keroseno stoves of aluminum, 25 centimeters in height, 20 centimeters in diameter;
 - c. Steel ploughs (manufacture of the ploughs was started in 1954);
 - d. Up until 1952 Plant No. 30 made white metal refrigerators, about one 50X1-HUM and one-half meters high. 70 centimeters in width and 70 centimeters in length.

production had stopped.

- e. Folding beds, about two moters long, 70 centimeters wide and one-half meter in height, which sold for 140 rubles. Children's beds, some of which were painted in a silver color, sold for 220 rubles, and other children's beds painted yellow and white sold for 190 rubles. The beds were made from iron, aluminum, or Duralumin.
- f. Ladles, spoons and forks which sold for four rubles each.
- g. Stands for display of flags.
- h. Steel girders. In 1955 Plant No. 30 began making steel girders and beams for construction of seven to ten-story apartment houses. These beams were 15 meters long, up to two meters in width and one-half meter in height. The plant also produced various other steel parts used in building construction such as window frames, door parts, etc.
- i. Children's toys, such as sleds, toy sleds, toy horses.
- j. Plant No. 30 repaired and tested scales, ranging from five kilos to 350 kilos capacity, for an unknown plant. 50X1-HUM
- 7. II-12 airplanes were repaired in a separate thop area (see point 35, Plant Layout). there were always several II-12 aircraft parked out in the open and repair work being done such as the replacement of aluminum sheets and work on the engines. Some of these II-12 planes had German, Polish and Czech markings.

C-O-N-	F I D-	E-N-	[-I-A-L

	<u>C</u>	- O- N- F- 1- D- E- N- T- 1- A- L		i
	• .	* > *		_50X1-HUM
		•	hment	
	~			 50X1-HUM
				50X1-HUM
8.	(see point 78, Plant Lay	f a four-engine bomber in out). The shop was off liseen through the glass wa	mits, but the upper par) rt
	any passonger planes aft		o. 30 did not produce	
	unknown plants for assemi loaded on railroad cars:	selages of the IL-12 and d bly. vings and fus for chipment either to the ly Plants, however he was	elages being crated or Kuybyshev and/or to t	50X1-HUM
	Distribution of Producti	o <u>n</u>		
9•	were taken over by Sovie Airfield.	ere tanded out to the Cent t Air Force officers and t and wings, Plant No. 30 s	est flown to Rumenok	50X1-HUM
	assembly of fuscinges, contact these jigs	abins, tails and wings to were sent to Kuybyshev, be tall the jigs (see Personn	other plants.	ent
10.	spoons were all marked (2 Zavod 30'(Tovary Ehiroko' No. 30). The folding become also shipped to Poliprinted by Plant No. 30 the Polish and Chinese 1	o, milk cans, refrigerator stamped, stenciled or die- vo Potrebleniya - Zavod 30 ds were distributed not on and and China. [printing shop (shown as po anguages. These labels we ding beds. The boxes were	hammored) Shirpotreb - Consumer Goods, Pla ly all over the USSR,1 shipping labels, int 21, Plant Layout) re pasted on cardboard	but 50X1-HUM in i
11.	total plant output. The	oducts represented only a main production of the pl gs, and the component airc	ant other than the acc	ne seme 50X1-HUM
	Rev Materials			FOXA LILINA
12.	and forks to various stor delivery of steel (firders	ceans, kerosene stoves, reres in the city and oblast s to construction areas in pick up engines and raw	of Moscow, and for the Moscow truck fre	re o ue
	to be of either KLIIX wooden boxes, two and which weighed about crane-loaded onto a	OV and/or NOVIKOV design of d one-half by two by two pone to one and one-half to three-ton truck. Frequent	meters in dimension n. Two such boxes wer	10
	brought to Plant No.	30 at night.		50X1-HUM
	· ·			1
		C_O_N_P- I-D-E-N-T- I-A-I.		50X1-HUM

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,		C-O-N-r-1-1-E-N-1-1-A-D	50X1-HUN
		~{~	30/1-11010
		Attachment	
			•
			•
	m. Wooden boxes o were picked up Moscow.	f various sizes, believed to contain at the Kazanskiy and Oktyabrakiy re	n aircraft instruments, milroad stations in
	on Mozhayakoyo factory, and c radar factory The truck was	t was procured from a radar factory shosse, Moscow. He was not permit ould only drive up to the gate when took over the truck and drove it in returned leaded with cubical wooden meters on a side.	ted to enter this e a driver from the to the factory area.
13.	Other rev meterial	s (origin unknown)	
13.	Oniel len micciter	S (OLICER MEDICANIA)	seen at Plant No.
	30 were:		
	a. Armament, whice Soviet drivers	h came from Plant No. 43, Moscow. were sent to Plant No. 43 to pick	Normally, only certain up armoment.
		t for aircraft - normally, only cer to pick up these items.	tain Soviet drivers
	e. Iron, shipped	in by railroad.	
	d. Duraluminum ar	d aluminum sheets brought in by rai	ı. F
	c. Mazut fuel shi	pped in by railroad.	
	f. Coal brought t	to the plant in freight cars.	
	point of arigin	brought in by special trucks (see so unknown, but believed to be Ramens wight in daily use unknown).	ketch page 37) k Airfield. The liquid
		duel hauled by ten fuel trucks belon origin was unknown, but was believed	
	1. Steel armour ;	plates which were placed at the back	of the pilot's seat.
٠	j. Plexicians.		50X1-HUM 50X1-HUM
		pped in by railroad. describ	i .
	1. Cement and som	d.	50// 11114
	m. Oil and bonzi	ac.	50X1-HUM
	<u>Utilities</u>		50X1-HUM
14.		pplied with water by underground pip Moseow water system	e lines which
			; ;
		C-O-N-F-I-D-E-N-T-I-A-L	
			50X1-HUM

	-8-
	Attachment
	50X1-HUM
GE: n et	c origin of electric power was unknown, assumed it to be the 3 (Gidro Elektricheskaya Stantsiya - Hydro-electric Power Station) twork. The current supplied to the factory was 220 volts. The plant d a transformer station shown as point 66. Plant Layout. The supply of electricity was adequate at all times. The 50X1-H
inf	The supply of electricity was adequate at all times. The 50X1-H frequent electricity failures were repaired within an hour or so.
Tro	ansportation
off (3t rai con iny by tru pro bro Mos 70 by spo were and wer	orallroad sidings entered Flant No. 30 from the west, shown as points and 26, Plant Layout. In the southwest immediately cutside the fenced f area, there was a railroad marshalling yard called the 8th Tupik' th siding) which united the two railroad sidings with the Essew ring lived net. The railroad was of standard Soviet (nuce. There was a merete platform 50 meters long, and 10 meters wide (point 4, Plant yout), near the railroad marshalling yard. Raw materials which arrived rail were unleaded onto this platform by mobile cranes, then taken by ack to the various shops of Flant No. 30. In the same manner finished educts from some of the shops of Flant No. 30 were loaded onto trucks, ought to the loading platform and crane-loaded onto railroad flatears. St incoming materials were transported by truck. percent of the incoming material was brought in by truck and 30 percent railroad. Of the finished products, only toys, beds, steel girders, 50X1-Historic, etc., were shipped out by truck. Aircraft, the main plant product, taxled out to the adjoining airfield shown as point 63, Flant Layout, if flown out. Crated fuselages and wings manufactured by Flant No. 30 re shipped by railroad.
poi	o plant had very good asphalt-paved roads, 15-20 meters in width, shown as int 40 on Plant Layout. These roads were adequate for the needs of plant 30.
	ant Vehicles
Pla	ato venteres
The	Plant No. 30 transportation facilities were comprised of the following pes of vehicles:
The	Plant No. 30 transportation facilities were comprised of the following
The	About 50 passenger cars were available for the director of the factory, shop managers, engineers and other administrative personnel. types of vehicles: four ZIS-111, one ZIM (for use of the plant director), 10 M-1 (Molotov cars) and six Pobeda (Soviet
The typ	Plant No. 30 transportation facilities were comprised of the following pes of vehicles: About 50 passenger cars were available for the director of the factory, shop managers, engineers and other administrative personnel. types of vehicles: four ZIS-111, one ZIM (for use of the plant director), 10 M-1 (Molotov cars) and six Pobeda (Soviet

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	-10- A	ttachment		
		•		
usembly Lin e				
beindly little			50	DX1-H
the plant was	an old plant, and did not h	nave conveyors.	In those	
hops where fuselar	cs, vings, tails, and cabin	m were assemble	d, teams of	
orkera moved from	place to place. In the fir	nal nesembly sho	p. the	
ircraft was moved		from place	to place to	50V1
antitona in two re	rallel lines. All building	n where Airs we	re made	30X I
see nointa 40. 51.	93 and 96, Plant Layout),	or where Mins w	ere used for	•
scembly. were emi	pped with overhead traverse	cranes, capaci	ty three to	
ive tons.	** * · · · · · · · · · · · · · · · · ·	,	-	
arious shops manui	factured jigs, instruments,	dies, molds, an	d forms	_ •
ecessary for the r	constacture of aircraft comp	ponent parts. I	nny individu	ını
hops (50-60) manui	actured all parts necessary	y for wings, tai	.lo, fusciaco	25,
abina and nose sec	tions, wheels, etc. The co	ampleted wings,	tails, fuscl	,acoa
	Language record them toled	en to the final	assembly sho	p,
abins. wheels, and	t nose pares, vere wich care			
spenibled, and all	i nose parts, were then take instruments, armament, phot	tographic and ro	dio equipmen	ıt,
collect etc. vere	instruments, armoment, photinatalled. After testing	tographic and ro the guns, the en	dio equipmen vines, and s	it,
spembled, and all soil kit etc. were horough check by	instruments, armoment, phot installed. After testing the Air Force officers and mechanic	tographic and ro the guns, the en unics who were c	dio equipmen vines, and s	it,
spembled, and all soil kit etc. were horough check by	instruments, armoment, phot installed. After testing the Air Force officers and mechanic	tographic and ro the guns, the en unics who were c	dio equipmen gines, and s mlisted men,	it,
seembled, and all col kit etc. were horough check by	instruments, armoment, photinatalled. After testing	tographic and ro the guns, the en unics who were c	dio equipmen gines, and s mlisted men,	it,
spembled, and all soil kit etc. were horough check by	instruments, armament, photinstalled. After testing the force officers and mechaticum from the Central Airport	tographic and ra the guns, the en unics who were c rt to Remensk.	dio equipment wines, and e maisted men,	nt, 1 60X1-I
spembled, and all col kit etc. were horough check by hie aircraft was fi	instruments, armament, photinstalled. After testing the force officers and mechaticum from the Central Airport	tographic and ra the guns, the en anics who were c rt to Ramonak.	dio equipment dines, and emilisted men, 5	nt, 1 60X1-I
spembled, and all col kit etc. were horough chock by he aircraft was fi	instruments, armament, photinstalled. After testing the force officers and mechaticum from the Central Airport numbers were assigned to each component part has	tographic and ra the guns, the en anies who were e rt to Ramenak. o planes after t d a ticket for e	dio equipment of the control and control and	1 t, 10X1-l
soembled, and all col kit etc. were horough check by a he aircraft was finant.	instruments, armament, photinstalled. After testing the force officers and mechation from the Central Airport numbers were assigned to each component part has been a tickets were	tographic and rathe guns, the ennies who were or to Ramenak. o planes after to a ticket for a stamped by Plant	dio equipment of the control and control a	50X1-l
soembled, and all col kit etc. were horough check by he aircraft was fillant. dentification purontrollers, but of	instruments, armament, photinstalled. After testing the force officers and mechalism from the Central Airport members were assigned to each component part has possed. These tickets were ally after testing and approving a first testing and approving the second s	tographic and ra the guns, the en mics who were c rt to Ramenak. o planes after t d a ticket for c stamped by Plant val by Air Force	dio equipment of the control and control a	50X1-l
soembled, and all col kit etc. were horough check by a lie aircraft was fill lant. dentification pur ontrollers, but on echanics who were	instruments, armament, photinstalled. After testing the force officers and mechanism from the Central Airport members were assigned to each component part has posses. These tickets were ally after testing and appropriated men. Wings, tails	tographic and ra the guns, the en mics who were c rt to Ramenak. o planes after t d a ticket for c stamped by Plant val by Air Force s, fuselages, ar	dio equipment of the control and control a	50X1-l
soembled, and all col kit etc. were horough check by a lie aircraft was fill lant. dentification pur ontrollers, but on echanics who were	instruments, armament, photinstalled. After testing the force officers and mechalism from the Central Airport members were assigned to each component part has possed. These tickets were ally after testing and approving a first testing and approving the second s	tographic and ra the guns, the en mics who were c rt to Ramenak. o planes after t d a ticket for c stamped by Plant val by Air Force s, fuselages, ar	dio equipment of the control and control a	50X1-l
soembled, and all col kit etc. were horough check by a lie aircraft was fill lant. dentification pur ontrollers, but on echanics who were	instruments, armament, photinstalled. After testing the force officers and mechanism from the Central Airport members were assigned to each component part has posses. These tickets were ally after testing and appropriated men. Wings, tails	tographic and ra the guns, the en mics who were o rt to Ramenak. o planes after t d a ticket for c stamped by Plant val by Air Force s, fuselages, ar	dio equipment of the control and control a	50X1-l
seembled, and all col kit etc. were herough check by he aircraft was fillant. dentification pury ontrollers, but one chanics who were ach described in h	instruments, armament, photinstalled. After testing the force officers and mechanism from the Central Airport members were assigned to each component part has posses. These tickets were ally after testing and appropriated men. Wings, tails	tographic and ra the guns, the en mics who were o rt to Ramenak. o planes after t d a ticket for c stamped by Plant val by Air Force s, fuselages, ar	dio equipment of the control and control a	50X1-l
spembled, and all col kit etc. were horough check by a lie aircraft was finant. dentification purpontrollers, but on sectionics who were	instruments, armament, photinstalled. After testing the force officers and mechanism from the Central Airport members were assigned to each component part has posses. These tickets were ally after testing and appropriated men. Wings, tails	tographic and ra the guns, the en mics who were o rt to Ramenak. o planes after t d a ticket for c stamped by Plant val by Air Force s, fuselages, ar	dio equipment dines, and a control and cabins were	50X1-H
spembled, and all col kit etc. were horough check by he aircraft was fillent. I dentification purport of the chanics who were such described in the described i	instruments, armament, photinstalled. After testing the force officers and mechation from the Central Airport numbers were assigned to each component part had each component part had posses. These tickets were ally after testing and appropriated men. Wings, tails pocklets for control and must be a second control and control a	tographic and rathe guns, the emiles who were or to Ramenak. o planes after to a stamped by Plant val by Air Forces, fuselages, armbering purposes	the weekly	50X1-h
seembled, and all col kit etc. were horough check by he aircraft was for the aircraft was for	instruments, armament, photinstalled. After testing in the Force officers and mechative from the Central Airport and the cach component part has each component part has posses. These tickets were ally after testing and approvenisted men. Wings, tails socklets for control and much figures were top secret as	tographic and rathe guns, the emiles who were or to Ramenak. o planes after to a stamped by Plant val by Air Forces, fuselages, armbering purposes	the weekly	50X1-k
seembled, and all col kit etc. were horough check by he aircraft was for the aircraft was for	instruments, armament, photinstalled. After testing in the Force officers and mechative from the Central Airport and the cach component part has each component part has posses. These tickets were ally after testing and approvenisted men. Wings, tails socklets for control and much figures were top secret as	tographic and rathe guns, the emiles who were or to Ramenak. o planes after to a ticket for a stamped by Plant wal by Air Forces, fuselages, armbering purposes and were known or	the weekl	50X1-1-50X1
seembled, and all soi kit etc. were horough check by a he aircraft was findant. I dentification purpontrollers, but of sechanics who were each described in the reduction.	instruments, armament, photinstalled. After testing the force officers and mechanism from the Central Airport and component part has been component part has been each component part has been control and appropriated men. Vings, tails booklets for control and much figures were top secret at taff.	tographic and rathe guns, the emiles who were crt to Ramenak. The planes after the planes after the attacket for containing by Planes a, fuselages, are mbering purposes and were known or cix month.	the weeking a were required	50X1-k
dentification pury ontrollers, but of section who were ach described in the controllers and his second to complete a change of	instruments, armament, photinstalled. After testing the force officers and mechanism from the Central Airport and the each component part has posses. These tickets were ally after testing and appropriated men. Wings, tails modulets for control and much figures were top secret at taff.	tographic and rathe guns, the emiles who were crit to Ramenak. o planes after the anticket for constanged by Plant val by Air Forces, fuselages, armbering purposes of the month passenger aircreases	the weekl	50X1-kg
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lowever, when those which had coronic p number unknown) eng	nt No. 45 produced a copy of engines were tested at Plant lates, malfunctioned and brok lines were scrapped. As of 1 type engines for Plant No. 30	t No. 30, the turbines, se down. Quite a few (exact 043, Plant No. 45 made
Norm		
the fact that the n	lant No. 30 did not fulfill as was not the fault of the worm set by the Armament Indusages of material or labor, or 30, though it was old, cramp	stry Ministry was too high. r of strikes. 50X1-H
	tems, was clean, efficient a	
Working Conditions		
the schedule was to hours daily, instead shops operated in thand office personne from 0800 to 1700 h standby duty. The 1400 to 1800 hours and f worked a total of 4 which had a one-hours people assigned to people worked in th	ours but there were always at office personnel worked from The shifts were from 0800 rem 0100 to 0800 hours. The 2 hours a week. Nost people r lunch period from 1200 to	week (six days, with seven had been formerly.). Some ruted in only two shifts, The truck drivers worked bout 10 chauffeurs on 6000 to 1300 and from to 1700 hours, from 1700 night shift employees worked in the first shift 1300. There were very few about 25,000 50X1-H second shift and 5,000 in
Leaves and Vacation	<u>o</u>	50X1-HU
shop managers and f or in the foundry, personnel received from 15 to 50 truck to farms in the Nes This farm work was	nlso received 30 days annual 18 days loave annually. Each s and about 100 workers, sel- cow or neighboring oblasts t anch sought after by the per	who worked in chemical shops leave. All other plant b summer, Plant No. 30 sent ected from various shops, o help with the harvesting.
the harvest wore us	The ually at the kolkhozy for th	people sent to help with ree or four months. 50X1-HU
	ad several children's camps ren's home was in Nakhabino,	
		board. Leave was granted any

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Workers' Welfare Services

- 31. Plant No. 30 had the following facilities for the welfare of its workers:
 - a. A housing section, to provide living space for its employees. Plant No. 30 operated about 50-75 residential buildings for its employees. Besides the buildings shown as points 16 and 17, Plant Layout, Plant No. 30 had many apartment buildings in Petrovskiy Proyezd, five to eight apartment houses in Koptevo, seven to ten buildings in Oktyabrskoye Pole, and was constructing new residential buildings. The buildings were five to eight stories high, of various sizes.
 - b. A club, located on ulitsa Pravdy near Leningradskoye shosse. This was a three-story gray stucco building, about 30 meters square, which contained a movie theater, club, meeting rooms, game rooms, music rooms, and library which provided a meeting place for choreographic, musical, chess and sport circles.

Wages

32. Truck drivers earned between 1000 - 1200 rubles monthly, depending upon the tonnage hauled and the number of kilometers driven. Lathe operators earned about 700 rubles monthly. Instrument specialists earned 1000-1500 rubles monthly. People in the welding, chemical, and galvanizing shops earned 1500-1600 rubles monthly. Office personnel averaged 600 to 800 rubles monthly.

Sanitary Conditions

33. The plant had two polyclinics shown as points 17 and 27, Plant Layout. Each employee of Plant No. 30 had to be X-rayed once a year. The shops were kept in fairly clean condition.

Security

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- 34. The position of the guards is indicated on the Plant Layout. The plant had about 250 guards, both male and female, who wore a greenish-gray uniform without shoulderboards. The female guards carried pistols, whereas the male guards were armed with rifles. the guards belonged to the MGB. The chief of the guards wore a khaki military uniform without shoulderboards. There were about 20 German police dogs which were on long leashes at night.
- 35. Each employee had a pass which was of black cardboard folded in the center to a size about eight centimeters by five centimeters. There was no writing on the outside cover. On the inside cover there was a place for a photograph, name, last name of the employee, factory stamp and signature of a factory official and of the bearer. Furthermore, each pass had a certain letter stamped on it which indicated the entrance gate to be used by the employee.

when reporting for work at the appropriate gate and were required to turn in the pass to the timekeeper in their particular shop. In the evenings, the workers picked up their passes from the timekeepers and left them at their respective entrance gates. Truck drivers

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	picked up their passes when reporting for work and turned them in when leaving, but kept the pass with them during their working hours because they were always entering and leaving the plant area.	:
6.	Plant No. 30 had also about 30 or 40 uniformed firemen who belonged to the Hilitia or the Hilb.	ie
	Atomic Shelter	X1-HUM
7.	A reinforced concrete underground building was located at a site shown as point 95, Plant Layout.	
	shelter and was reserved for the use of the Director and his staff. The were no other air-raid shelters in the plant area. The plant personnel of not receive atomic defense lectures.	re
	Organization and Personnel	• :
8.	The plant administration section consisted of the Director, shop managers engineers, and technologists. Plant No. 30 had about 100 different shops the final assembly shop;	39
nn.	assembly shops for: fuselage, wings, tail, nose, cabin and allerons; jig manufacturing shops; an instrument shop; forge and press shops; die shop; foundries; repair shops; machine shops; compressor shop; sawmills and carpenter shops; girder shop; a shop for processing serap; a shop for production of toys, forks, speans, and icebases; a shop for production of milk cans; a shop where kerosene stoves were produced; a galvanizing shop paint shops; and a shop for repairing and testing scales. Other section were: a truck drivers' section; a garage mechanics' section at the guards and firemen's sections; the restaurants; the varehouses and 50 storage sections; several laboratories; a medical section; a technical section; the controlling sections; the transportation section, which did not include garages and drivers, but was only for internal traffic composed the electric lorries and tow trucks; a section for construction and maintenance of epartments for factory employees; the Communict Party and Komsomol section; the Plant Committee section; and an aircraft repair section (about 150 people).	on; X1-HUM
89•	Plant No. 30 employed about 45,000 workers, assigned different sections and shops as given in paragraph 44 below. about 30 percent of the employees were engaged in actual production of aircraft, and 20 percent were engaged in auxiliary capacitic such as; truck drivers, electric lorry operators, workers who manufacture toys and other by-products, guards, maintenance mechanics, electricians, furnace firemen, elecaning personnel, restaurant personnel, etc. the administrative staff (shop managers, foremen, engineer and technologists) numbered about 1000. The office staff included about 2000 people. Furthermore, the plant had 300 to 400 Air Force officers, ranging in grade from licutement to colonel, and about 100 Air Force enlisted men who were mechanics. These military personnel were on constituty testing fuel tanks, instruments, individual parts, component parts of the wings, fuselages and tail sections and also the finished assembled products, and performing test flights. 70 to 80 percent of the personnel were male. About 2000 to 3000 workers were unskill laborers. The Plant also had 500 to 600 apprentices.	les ed 50X1-HUM rs,
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Romonok. T Romonok Air	hose truck	s were use	ed to haul	l yellow and	nteined co eilver pa	ntinuously in int from the 50X1-HUM
vo. 30: Th	ie truck dr id seven so	rivors sect	tion was h	neaded by a :	manager. a	ivers of Plant n assistant ng sections:
Section 1:	30-b0 dri trucks.	vers for l	inch 10-to	on trucks an	d cranes,	buses, fuel
Section 2.	50 drivor	s for ZIS-	.5 three-t	on trucks.		
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Section 4.	50 driver	s for ZIS-	5 three-t	on trucks.		
Section 5.	50-60 dr1	vers for 2	IL four-t	on trucks.		
Section 6.	60 driver	s for GAZ	two and o	one-half and	one and o	ne half-ton
ketion 7.	50 - 60 dri	vers for p	nasenger	cars and am	bulances.	
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80 in 1 956:			supervi:	ory personn	el employe	d at Plant 11:50X1- 50X1-Hl
ORONIN. Pu	vol Andrey	evich. vac	the Dir	ector of Plan	nt No. 30.	
	fmu), an A	ir Force (cnoral.	General KOK	INAKIN was	one of the
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ost famous	SOVIET PI	TOE.				

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		i
KOKINAKIN (fmu), an KOKINAKIN mentioned	Air Force colonel. This colonel was a brabove.	rother of General
SOLVE EV (fmu), an	MGB colonel who was deputy to the Director	r for personnel
procurement.		
CAPOUITH (fm) on	MCB colonel, replaced SOLIMESEV in 1954, a	and the domina
to the Director for	personnel procurement.	ž.
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PETEROV (fm). n m	njor in the Air Force	·
THE CONTROL OF THE PARTY OF THE	ajor an one fur Porce.	;
		,
SLABODKINA (fru), w	as chief of shop no. 9.	
SOKOLOV (fnu), vas	ablef teamslordet	
Solotov (Ind), was	CHCS OCCIDIOTO/ADD.	50X1-HUM
STRYZHHOV. Matvey M	oksimovich, was chief of the truck drivers	
		:
PAVLOV, Il'ya Aleks	eyevich, was deputy to STRYZHNOV.	
		:
	chief of Shop No. 24.	: i
	chief of Mop No. 24.	:
STROYEV (fmu), was		:
STROYEV (fmu), was	chief of Shop No. 24.	
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	di (inu) was d offoirs.	business manager and deputy	to the pricetor for	
GCI.E.IGZ GZ				
				,
. ROMANOV	(fnu), was ch	ief of the blacksmith shop.		
(1 A P V WT) (#78 7	*****			;
P. SOLITSEV	, Ivan Androy	evich, was foremen of the tra	ick dravers, section.	
				:
. OVECHKIN	(fmu), was t	he Communist Party Secretary	for Plant No. 30.	_
174 4				
Visitors	•			50X1-HUM
The foll	owing persons	were known to have visited	Plant No. 30 on vario	วนย เ
occasion	s: USTINOV (fmu) illinister of Armament Inc	lustry and officials	of
the Avia	tion Industry	visited Plant No. 30 about	wice annually. They	<i>r</i> = =1
watched	the vork bein	g performed and looked at the	finished products	ot l
oula omoa	ps. Other vi	sitors to Plant No. 30 were	(1945-56 period):	
			KIRUSHCHEV in	1955;
		coslavia, in 1948.	ILYUSII	EII,
		n Plant No. 30.	ILYUSHIN 11v	2 d 50X1-HUM
near the	subway stati	ON SOLOT. STALIN'S SON, a Lu. Concral:	In the Mr Town ha	a had a
personal	aar	serviced in Plant No. 30		
	up until 1958		Casa nao a nao gasia	
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	Inclosure 1	ntifies the numerical decigna	lant No. 30 layout.	The
TOTTOMY	6 recent race	lettics the noncircui designa	GEOID.	50X1-HUM
Point 1.	Military Ke	merne. This was an area abo	ut 300 meters square	
	surrounded	by a wooden fence two and on	e half meters in hei	
				50X1-HŲN
	many ZIS-1	O trucks and small Willys Jo	eps. Inside the ren	ced
	off area w	ere three rows of five four-s		
	enen about	80 meters x 25 meters in are a mechanised unit of the Mos	cov carrison was loc	ated 50X1-HUN
	in this ka		FOR MARC INCOME.	
,	trucks and	in jeops for the parades hal	d in Moscow on the f	irst
	of May.			
				lance
Point 2	Open work	area. In this area, about 70	motors x 50 meters,	TELGE
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•		C-O-N-F-I-D-E-N-T-I-A-L		· ·
		0-0-14-E-T-D-D-14-T-T-W-D		50X1-HUM
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discarded steel and iron jigs, and rejected parts were cut up into small parts for scrap material by means of an autogen (Avtogen).

- Point 3. Crushing press. This was a one-story gray brick building, about 30 meters x 10 meters in area dimension. A press broke up waste steel and iron into scrap material.
- Point 4. Railroad terminal. At this point the railroad lines servicing Plant No. 30 connected with the Moscow ring. The terminal was called the 8th siding (8th Tupik). The area also contained a platform about 50 meters long and 10 meters wide from which scrap steel and iron were loaded onto railroad flatcars.
- Point 5. Sawmill. This was an area about 200 meters long and 60 meters wide containing seven to ten one-story wooden barracks, each about 50 x 20 meters in area dimension. Some buildings were used as storage points for cement, sand, flour, glass, etc; other buildings were carpenter shops and sawmills. The carpenter shops made moulds for the foundry, wooden doors and window frames for new buildings under construction, and various items used in Plant No. 30, such as work benches, clothes closets, etc. Stacks of lumber were stored in a yard in this area. The carpenter shops were equipped with about 10 electric saws, and several planing, drilling and cutting machines (source was not certain of these details). The sawmill operated in two shifts, and employed about 150 people on each shift.
- Point 6. Boilerhouse. This was a one-story gray brick building about 10 meters square, containing one furnace which supplied heat to the 50X1-HUM buildings shown as points 7 and 8, below.
- Point 7. Toy shop. This was a one-story, white brick building, about 100 meters long and 35 meters wide. One end of the building was two-stories high and extended over an area about 20 meters x 35 meters. The building had a black metal gabled roof. On the first floor were five lathes, two or three planing machines, four cutting-crushing machines, eight presses, eight drilling machines and five or six pipe cutting machines, all of which were old Soviet-make machines in poor condition. This shop made sleds, toy horses, ladles, spoons, forks and beds. On the second floor, at the end of the building, were offices, a library, club rooms and lockers for the workers. This shop usually operated in two shifts, employing 120-150 people on each shift.
- Point 8. Foundry. This was a one-story grayish-white building, 150-200 meters x 30 meters in area dimension. One end of the building which extended over an area 20 meters x 30 meters was three stories high. This building contained ten electric furnaces. Kerosene stoves were manufactured in this foundry. On the second and third floors were diming rooms, offices, a library, a club and a first aid station where a doctor and a nurse were on constant duty. The foundry operated in two shifts, employing about 150 people on each shift.

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- Point 9. Fence. A wooden fence, about three meters high topped with barbed wire separated three areas (points 6, 7, and 8) and also surrounded the experimental factory shown as point 10, as well as all buildings of Plant Ro. 30.
- Point 10. Experimental factory. This was an area about 400 meters square surrounded by a separate fence.

 Jet aircraft engines being tested in this area. When some engines were tested, the sound could be heard for about five minutes in a radius of about five kilometers, the ground vibrated and flashes of fire could be seen for two 50X1-HUM to three seconds. In 1947 and 1948 German V-1 and V-2 rockets were brought to this factory

the prototype of the light bember (believed to be the Beagle-Ilyushin-23) manufactured in Plant No. 30 was produced in the experimental factory.

- Point 11. Gate. This was the entrance to the toy shop, foundry and boiler-house, shown as points 6, 7, and 8 above. There were two entrances for employees and one entrance for vehicles. Three female guards were always on duty at this gate, checking plant passes and vehicles.
- Point 12. Gate. This was the entrance to the experimental factory shown as point 10 above. There were four or five entrances for employees and one entrance for vehicles. Six to seven female guards were always on duty at this gate, checking plant passes and vehicles.
- Point 13. Gate. This was an entrance for a railroad line, vehicles and employees. Four to five male and/or female guards were always on duty at this gate, checking plant passes and the contents of railroad cars, and vehicles.
- Point 14. Railroad lines. There were two single-track railroad lines of the standard Soviet gauge which served the plant area.
- Point 15. Hospital. This was the Dotkinskiy Hospital, a Moscow City hospital. It occupied an area about 800 meters x 500 meters and was composed of 15-20 buildings ranging from one to four stories in height. It was one of the best hospitals in Moscow and had all types of wards.
- Point 16. Residential area. This area contained one 10-story apartment building, about 200 meters long and 50 meters wide, and three six-story apartment buildings, about 100 meters long and 30 meters wide. Those buildings were quarters for the employees of Plant No. 30 only.
- Point 17. Polyelinic and apartment/house. This new building constructed in about 1954 was a 10 or 12-story white brick building, about 170 meters x 30 meters in area dimension. The first floor contained a polyelinic staffed by 50 doctors and nurses, as well as a day nursery for small children. The other floors contained

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	apartments. The polyclinic, day nursery and apartments were employees of Plant No. 30 only.	
Point 18.		50X1-HUM
Point 19.	Trolley car line This line went along Botkinskiy Proyezd and Leningradskoye shoss servicing Plent No. 30. Streetcars traveled along this realbout every ten minutes.	trolley se, ute
Point 20.	Factory trade school. This was a three-story white brick building about 50 meters x 25 meters in area dimension who about 300 Plant-30 apprentices were trained as lathe operatechnics, machinists, etc. These apprentices were billetted, and supplied with clothing by Plant-30, but they did receive any salary.	tors, ed,
Point 21.	Printing shop. This was a two-story gray brick building a 20 meters square where a factory newspaper, various bullet labels and tags for the various plant products such as bed toys, etc. were printed.	ins,
Point 22.	Repair shop. This was a one-story, gray brick building ab 75 meters long and 35 meters wide.	out F
	the incide layout and machinery, as despected, remained unchanged in 1936, but the numerical designance changed to No. 54 In 1946 shop No. 10 worked one shift, employable about 100 people, but in 1956 this shop operated in two or three shifts, employing about 100 people on each shift. It building also contained a repair shop which operated in two shifts, employing about 100 people on each shift. Shop No made various metal items for Plant 30, such as drills, bit stands, jig parts, hand trucks, steel containers, etc., us the manufacture of aircraft parts (see page 35 for the layof this building).	This to
Point 23.	Repair shop. This was a one-story gray brick building abouters long and 10 meters wide. Here the motors of various machinery were repaired. The shop contained two lathes, to milling machines, and several benches for machinists.	18
Point 24.	Girder shop. This was a one-story gray brick building abouters x 25 meters in area dimension, where steel girders a beams used in building construction were manufactured. It open area outside of the shop there were two or three dryf furnaces. This shop operated in three shifts, employing a 100 men on each shift.	and 1 on Ing
Point 25.	Plant entrance. There were two entrances for employees ar for vehicles at this location. Three or four female guard on constant duty at this entrance checking plant passes as vehicles.	is were

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- Point 26. Railroad entrance. The railroad line (point 14 above) entered the plant area at this point. One or two male guards were on constant duty at this entrance, checking the contents of the railroad cars.
- Point 27. Polyclinic. This was a four-story gray stude building, about 100 meters long and 35 meters wide. On the first floor there was a polyclinic staffed by 10 dectors and 10 nurses who conducted annual physical emminations of the plant personnel. Part of the first floor was taken up by a model carpenter shop, where prototype moulds for the foundry were made. The second floor of the building was occupied by the technological section and had various drafting and planning offices.
- Point 28. Loading platform. This was a reinforced concrete platform about 80 x 30 motors in area dimension. A mobile ten-ton crane, mounted on a reinforced cement platform stood at this point.
- Point 29. Loading platform. This was a reinforced concrete platform about 50 meters long and 10 meters wide.
- Point 30. Fire station. This was a three-story red brick building about 30 x 20 meters in area dimension. The first floor contained six or seven fire engines mounted on ZIS-150 chassis. The second floor contained bedrooms and alert rooms for the firemen, and on the third floor various offices were located. This building had an observation tower about 50 meters high manned by one or two firemen on 24-hour watch.

 The first floor contained six or second floor contained six or second
- Point 31. Paint shop. This was a very tall one-story frame and brick building about 200 meters x 80 meters x 50 meters in dimension, which contained two shops. In one shop, winge, fuselages, afterons, tail sections and pilot's cabins were painted. In the second shop, imitation leather protective covers for aircraft engines and cabins were made. This second shop also manufactured imitation leather tool kits which were placed in the aircraft. The paint shop operated in three shifts, employing about 100 people on each shift, whereas the other shop worked only two shifts, employing about 100 people on each shifts.
- Point 32. Storage. This was a one-story gray brick building, about 30 motors long and 20 meters wide, which served as a storage area for aluminum and steel sheets and various pipe.
- Point 33. Restaurant. This was a one-story, blue painted, wooden barrack type building, about 20 x 10 x 4 meters in dimension.
- Point 34. Gate to the Central Airfield. This was a barbed wire fence, which formed a gate between Plant 30 and the Central Airfield. At intervals there were openings in the barbed wire, to permit aircraft from Plant 30 to be taxled out to the airfield. These entrances were guarded by Plant 30 guards. There were heavy

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chains across the entrence gates. There hoists near the gates	e wore also winches and 50X1-HUM

- Point 35. Hardstands. This was an area about 200 meters square, paved with asphalt. IL-12 aircraft undergoing minor repairs were parked here and repaired in this open area.
- Point 36. Parking area. This was an open area about 200 meters x 100 meters where 50-60 electro-cars were parked. Some of the electro-cars were empty, some were loaded with wings, cabins or fuselage parts awaiting shipment to the final assembly shop.
- Point 37. Storage area. This was an outdoor storage area about 200 meters by 100 meters where various wooden boxes were stored.
- Point 38. Garage. This was a one-story gray brick building about 150 x 30 meters in area dimension. The larger part of the building served as a garage for about 150-200 electro-cars, and for the fuel trucks. The northern end of the building, a section about 30 meters square, was three stories in height. In this three-story section, the first floor contained a laboratory, of which source knew no details. The second floor had various offices, and a radio station was located on the third floor. A straight antenna about five meters in height, topped by a round disk about one meter in diameter, was mounted on the roof of the radio station.

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- Point 39. Tank testing shop. This was a one-story gray brick building about 20 meters square where the aircraft rubber fuel tanks were tested for pressure. The rubber tanks were placed in metal casings, and kerosene was poured into the tanks. The kerosene was kept in the tank several hours and then was poured out. Five or six Air Force officers were always present at these tests. Source did not know the checking precedures, but he saw that the officers entered some notes in a booklet, and the women who conducted the testings stamped the tanks with a rubber stamp, after approval by the Air Force officers. This shop operated in three shifts, employing about 10 women on each shift.
- Point 40. Streets. The streets inside the plant area were 10 to 20 meters in width, were all asphalt paved and were in good condition.
- Point 41. Storage area. This was an outdoor storage area about 50 meters square where empty boxes, as well as wooden boxes containing aircraft engines and/or parts, were stored.
- Point 42. Cabin shop. This was a one-story building with gray brick and glass walls, about 100 x 50 x 35 meters in dimension, with a saw-tooth steel skylighted roof. Here the duraluminum pilot's cabins were manufactured. This shop operated in three shifts, employing about 1,100 people on each shift.

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Point 43.	Hardstands. Two ressencer planes, one a two-utype U-2 in this area. These two planes ferried pilots Airfield to the club house shown as point 45,	from the Ramonak below. 50X1-HUM
	Sun firing git. This was a gray brick, three-t	50X1-HUM
Polnt 44. (35 meters square with a steel roof. Inside the carth pits where the aircraft machine (uns were	re tested.
	was towed into this installation nose first, a guns were test fired. Afterwards the plane w rolled in tail first, and the tail guns were a time required for this procedure was about one	ns rolled out and cost fired. The
	aircraft.	i t
Point 45.	Club house. This was a two-story brick builds x 15 meters in area dimension. Test pilots in from lieutement to colonel who test flow the in Plant 30 from the Central Airfield to the limit force technical and engineering officers various parts manufactured in Plant 30, and A waited in this building for their various job	mignic in grade hireruft produced Emenak Airfield, who tested the ir Force mechanics
•		50X1-HUM
Point 46.	brick and (lass valls, about 400 x 70 meters with a saw-tooth steel skylighted roof. This limits to all personnel not assigned to this	ilding with gray in area dimension building was off building. there 50X1-HIIM
	were two parallel platforms, on which the air wings, nose section, pilot's compartment, and were assembled. all the including engines, machine guns, radio apparaments were installed in the aircraft in this a total of 4,000 to 5,000 people worked during the three chifts. Stairs led to a mean a second floor. On this floor there were off manager, foremen, engineers, technical and to bookkeeping section, and dining rooms, rest rooms. This building was equipped with a local	the tail section se other equipment sus and instrument shop. in this building reanine which formed lices for the shop selmological sections, rooms and storage
Point 47.	Electric doors which opened into the final ac	membly shop.
Point 48.	brick and class, and was about 350 x 200 met. It had a saw-tooth steel skylighted roof. If tained 20-30 different shops and was equipped machines such as polishing, planing, drilling prospers, etc. Up through 1955, this shop has	in a rea dimension. In building con- In with 2000 various g, milling machines, d In 1995 these 50X1-HUM nes, type DIP 200. actured by the 50X1-HUM IP were the abbrevia- th and overtake). 1 three shifts, and

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wheels, ribs, bolts, serews, muts, etc. Stairs led to a mezzanine which formed a second floor. On the mezzanine were offices for the diep manager, technologist, foremen, engineers, as well as technical, technological, boddeeping offices, dining rooms, storage rooms and rest rooms.

- Point 49. Wings, Tail and Aileron Shop. This was a one-story gray brick and glass building about 350 meters x 40-50 meters in area dimension, with a saw-tooth steel skylighted roof. The entrance to this building was restricted and source was there only once. The building contained Jigs, air harmers, drilling machines, presses and other machinery. A total of about 4,000 people worked in three shifts in this shop making wings, tail sections and ailerons. There were special doors connecting this shop to point 46, Plant Layout.
- Point 50. Compressor Shop. This was a one-story gray brick building about 30 x 20 meters in area dimension, containing air compressors which furnished air by means of pipe lines to various shops for use in operating air harmers, etc.

 50X1-HUM
- Point 51. Jig Shop. This was a one-story gray brick, steel and glass walled building, formerly of frame construction, which had been completely remodeled in 195k. The machinery was not replaced. The building was about 70 x 35 meters in area dimension with a sawtooth steel and skylight roof. It contained lathes, and planing, drilling and milling machines. Jigs for the assembly of fuselages and wings were constructed in this building.

 a total of 2500 people worked here in three shifts. Stairways led to a measurine which formed a second floor. On this floor there were offices for the shop manager, foremen, ongineers, technical and technological sections, and a bookkeeping section, and dining rooms, rest rooms and storage rooms.
- Point 52. Furnace. This was a one-story gray brick building about 30 x 20 meters in area dimension containing three furnaces.
- Point 53. Water basin. This tenk, about 30 meters square and two meters deep, contained water to be used in case of fire.
- Point 54. Furnace. This was a one-story gray brick building, about 50 meters long and 20 meters wide which contained five furnaces.
- Point 55. Oxygen storage. There were two one-story brick buildings each about 30 x 10 meters in area dimension, and which were raised on steel columns used for the storage of oxygen bottles. Two special oxygen trucks were parked in this area (see sketch of trucks, page 37).
- Point 56. Stadium called 'Velodrom' scating about 15,000 people.
- Point 57. Main entrance. This entrance had seven gates for employees and a gate for passenger cars only. Two guards were stationed at each employee entrance and one guard was posted at the passenger car gate at all times.

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- Point 58. Guard houses. This was a two-story stude building, 15 x 10 meters in area dimension. On the first floor were rooms for the guards, and the second floor contained offices for the guard chief and his staff.
- Point 59. Park containing gardens, fountains, etc. leading from main entrance.
- Force shop. This was a one-story gray brick and glass building, Point 60. about 70 x 25 meters in area dimension, with a saw-tooth steel skylighted roof. This shop contained a mazut furnace, air harmers and five forces . The shop produced various aircraft parts. This building was enlarged in 1955, when a new large Soviet-make forge press, about 15 meters in height, five meters long and two meters wide, was installed. In order to place this press in the force shop the building was enlarged by about 10 meters. The new construction had the same type walls and roof as the remainder of the building. a total of 300 people were employed here in three shifts. Stairs led to a mezzanine which formed a second floor. On this floor were 50X1-HUM offices for shop manager, foremen, engineers, technical and technological sections and bookkeeping section, and dining rooms, rest rooms, and storage rooms.
- Point 61. This was a two-story gray stucco building, 120 x 35 meters in area dimension with a gabled steel skylighted roof. Shop No. 24 (designation may have changed) was located on the first floor. Funches, dies, and moulds were made in this shop which contained 25-50 lathes, five to ten planing machines, five to ten milling machines, three to five polishing-grinding machines, vertical 50X1-HUM salifts, employing a total of about 400 people. The second floor was occupied by Shop No. 9, an instrument shop. (See aketch of shop layout, page 34, for additional details.) In the center of the building there was a third floor, about 40 x 35 meters in area dimension; a laboratory, technical library and drafting offices were located in this section. The third floor area was restricted and source could supply no other information.
- Point 62. Engine run-up area. This was an open outdoor area about 300 meters long and 100 meters wide. About 10 to 15 aircraft were usually parked in this space where mechanics tested the engines. This was the final phase of the aircraft production process and after the engines were tested the aircraft were taxled to the Contral Airfield, point 63, below.

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- Point 63. Central Airfield. This airfield was for both civilian and military planes.

 Accordate ing to rumor, in 1956 the civilian air truffic was to be transferred to Vaukovo (N 55-39, E 37-17) and the Central Airport was to be for military aircraft only.
- Point 64. Service station. This was a gasoline filling station used by the trucks of Plant 30. It included underground gas storage areas

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and a small, one-story frame office building, about 10 meters square.

- Point 65. Hew shop. This was a one-story gray brick and glass walled building, about 180 neters long by 50 meters wide, the location of a new galvanising shop and foundry. In September 1956, only the exterior had been completed, and the building was not roofed.

 No machinery had been installed.

 scrap metal, boards and boxes were stacked up inside the 50X1-HUM new shop.
- Point 66. Transformer station. This was a red brick building about four by four by three meters in dimension, which contained two electric transformers.

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- Point 67. Coal dimp. This was an open air storage area with a coal pile about 60 meters long, 10 meters wide and three meters high.
- Point 68. Garage. This was a one-story, gray brick building about 120 x 25 meters in area dimension, with a sheet metal roof. This garage also had a repair shop which contained five latthes, three milling machines, three drilling machines and two polishing-grinding machines. All the maintenance and repair work on plant passenger cars and trucks was done in this shop. There were also 15-20 trucks parked inside this building. About 100 people worked in this garage in two shifts.
- Point 69. Parking area. About 200-300 trucks were parked in an irregular pattern in this area.
- Point 70. Administration building. This was a three-story, "L" shaped building. One wing was 80 x 25 meters in area dimension, and the other wing about 30 meters square. On the first floor were offices for factory committees, a personnel section, a passport and documentation section, a leave records section, and the cashier's office. The second floor contained various bookkeeping offices. The third floor contained offices for the plant director and his staff, engineers, technologists, and for the Communist Party officials.
- Point 71. Restaurant. This was the main plant restaurant, a four-story brick and class building about 70 x 35 meters in area dimension. The first, second and third floors each contained two large diming rooms, each with a scating capacity of about 1000 people. On the fourth floor were diming rooms reserved for the director, his staff, technologists and engineers.
- Point 72. Trolley stop.
- Point 73. Tennis courts.
- Point 74. Storage area. This was an outdoor storage area about 100 meters square where Duraluminum sheets were stored.

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Point 75.		lding.
	about 50 meters long and 35 meters wide. This storage	area was
	called the 'fifth depot'. In front of this building we	
	reinforced concrete loading platform equipped with a cr	anc. On
	the first and second floors of the building, steel shee	
	ingots, glidors and plexiglass were stored. on the other floors Duraluminum sheets were cleaned.	50X1-HUM
	there were other workshops containing various instrumen	
	storage building operated in three shifts, employing at	
	people.	
		50X1-HUM
Point 76.		building.
	about 15 x 10 meters in area dimension, which contained	. cither
.	a repair shop or a storage area.	
Manager A. Print	# 1 1	
Point 77.		about 25
	x 15 moters in area dimension. On the first floor, rub tanks were manufactured. A machine shop was located on	per ruct
	second floor, and the third floor contained various off	t coe
	become accord than one ordinary conscilled various off	50X1-HUM
		50X1-HUM
Point 78.		o building
	about 80 moters square.	
	four-engine bomber. This building was off limits	
Point 79.	Hangar. This was a oncestory gray brick and glass buil	
POLICE 19.	about 80 meters square with a glass roof. In this hand	
	finished aircraft were painted with a silver paint. The	
	operated in three shifts, employing about 100 people.	
Point 80.	Paint storage. This was a one-story red brick building	about 25
	meters long and 10 meters wide, raised above the ground	
	columns. This storage building contained paints and ve	
	chemicals. At this point soap was issued to the plant	
	At the rear of the building was a kennol for 20 German	police
	dogs used for night quard duty.	
Point 81.	Textile storage. This was a one-story gray brick and (·logg
	building about 50 meters square with a steel roof. In	+h4 a
	building Dermutin, an artificial leather enterial used	
•	the aircraft engines and cabins, was stored. At this s	

Point 82. Garage for passenger cars. This one-story gray brick building, about 100 x 25 meters in area dimension was a garage for plant passenger cars and autobuses. The building also contained some work benches for machinists. A stairway led to a mezzanine containing offices for the garage chief and the bookkeeping section, and a club room.

operated in three shifts.

300 people worked in this building.

point special coveralls and protective clothing were issued to the plant employees. In the rear of the building was a shop where Duraluminum sheets were cut into various shapes. The storage area worked in two shifts, whereas the Duraluminum shop

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a total of 50X1-HUM

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- Point 83. Gate. This gate connected the old plant No. 1 with the other plant, when these two plants were merged in 1950. This gate was used only by vehicles and truck drivers. Two to three guards were on duty at this gate at all times checking the contents of the vehicles. All Plant 30 buildings emmerated below located east of point 83 formerly had formed a separate shop. In 1950 these buildings were incorporated into the Plant 30 area.
- Point 84. School. This was a three-story white brick school building about 50 meters long and 25 meters wide, built in 1954, for the children of plant employees.
- Point 85. Stadium, called "Stadium of Young Pioneers", scating capacity, about 10,000.
- Point 86. Trade School. This was a four-story red brick building about 70 x 25 meters in area dimension. Up until 1954 this building was a plant polyelinic. After that date the polyelinic was transferred to the new building shown as point 17 above, and this building was converted into a trade school for training Plant 30 employees in various aircraft construction techniques.
- Point 87. Gate. This gate had eight entrances for employees and one entrance for vehicles. About 20 guards were on duty at this gate at all times, checking the passes of the employees, and the contents of the vehicles.

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- Point 88. Storage building. This was a four-story gray brick building, about 100 meters long and 30 meters wide, called "Depot Metisov".

 Various aircraft instruments and radio equipment were stored on the first floor. Aircraft machine guns were stored on the second floor. Various items of installed equipment were stored on the third floor. the fourth floor contained offices. Electrical wiring and radio cables were stored in the basement of this building. The depot operated in two shifts, employing about 150 people on each shift.
- Point 89. Ejection scat testing area. This was a steel tower, about five meters in height, about one meter square constructed like a pilot's cabin. The ejection scats for the pilot and navigator were tested in this tower.
- Point 90. Galvanizing shop. This was a one-story gray brick and glass building, about 200 x 35 meters in area dimension with a save-tooth steel skylighted roof. It contained three large forges for processing engines cowlings and a phyanizing section. This shop also manufactured milk came from the scrap metal. This building contained an unknown number of electrical welding machines. Stairs led to a mezzanine which formed a second floor. On the second floor were offices for the shop manager, technologists, engineers, foremen, technical and technological sections, a bookkooping section and dining rooms, storage rooms, and rest rooms. This shop operated in three shifts, employing a total of 500 people.

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Point 91.	Compressor shop. This was a one-story gray brick and gluidling about 100 meters long and 30 meters wide, contains compressors and eight to ten furnaces.	<u>มาทาต</u> 50X1-HUM
	the furnaces were old and in t	50X1-HUM
	COLECTION.	
Point 92.	Mechanical shop. This was a one-story gray brick and gluidding, about 100 meters long and 30 meters wide, with tooth steel skylighted roof. It contained many lathes a milling machines. All the apprentices attending the platrade school were trained in this shop for their various This shop operated in three shifts, employing a total of 2000 people.	n a saw- and ant a jobs.
Point 93.	Jig shop. This was a one-story gray brick and class but about 100 x 30-35 meters in area dimension, with a sawet steel skylighted roof. This shop produced the various gused at the plant and aircraft cabins. Stairs led to a which formed a second floor, where the offices for the manager, technologists, engineers, technologist and technologists, and storage rooms, or rooms and rost rooms were located. This shop operated in shifts, employing a total of 1500 people.	tooth jics mozza nine shop chnical lining
Point 94.	Laboratory and offices. This was a three-story gray bri	Lek
20220 941	building about 35 meters square.	
	laboratory I	Located
	on the first floor of the building. observed an electronic computer being unloaded at this l	building.
	The computer was about two meters long, 50-60 centimeter	rs wido, 🔭
	and 80-100 centimeters in height, with typewriter keys pront at a 45 degree angle. The front side of the compa	placed in
	dials, scales and pushbuttons. The second floor contain	ned payroll
	offices. The third floor had a photography laboratory	and a
	technical section, the latter of which was primarily con	ncerned
	with initiating safety procedures for plant personnel.	
Point 95.	Air raid shelter. This building constructed at the end or in the beginning of 1956, was an underground shelter forced concrete about 30 meters square. The roof was e- with earth and was about two meters above the ground.	of rein- overed
	purpose of the building was not known	it
•	was to serve as an air raid shelter for the plant direc	tor and his
	staff.	50X1-HUM
Point 96.	Finclace assembly shop. This was a one-story "L" shape with gray brick and glass walls and a saw-tooth steel a roof. One wing was about 100 x 35 meters in area direct the smaller wing was about 80 x 35 meters in area dimenthis shop all fuselage parts were manufactured and fuse assembled. Stairs led to a mezzanine which formed a sefloor where the offices for the shop manager, technolog engineers, foremen, technical and technological section	kylighted sion, and sion. In clages were cond dists,
	bookkeeping sections, and storage rooms, dining rooms, rooms were located. This shop operated in three shifts	and rost

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a total of 4000-5000 people.

- Point 97. Machine shop. This was a one-story brick building about 40 meters long by 20 meters wide where steel containers, about 60 centimeters x 60 centimeters x 60 centimeters, were made.
- Point 98. Airfield buildings, apartment buildings, office buildings, shops of various sizes, on the Central Airfield.
- Airfield control towor. This was a two-story brick building Point 99. about 30 meters long x 20 meters wide with a tower about 30 meters high. An antenna was mounted on top of this tower.
- Point 100. Five or ten mirfield hangars, each about 60 x 30 meters in area dimension. Source saw these hangars from a distance and could not give any details.
- Point 101. Moscow city swimming pool. This pool was constructed in/or about 50X1-HUM
- Point 102. Laboratory. This was a five-story gray brick building, about 100 meters long and 35 meters wide. This building was off limits to all unauthorized personnel. contained laboratories and experimental sections. The chief of the construction and maintenance section for apartments for Plant 30 personnel, had offices in this building.
- Point 103. Carpenter shop. This was a one-story brick building, about 40 meters long and 15 meters wide where various wood items were made. This building had a basement where boards and lumber were stored. This shop operated in two shifts, employing a total of about 150 people.

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- Point 104. Foundry. This was a one-story gray brick and class building, about 100 meters x 30 meters in area dimension, with a saw-tooth steel skylighted roof.
- Point 105. Gate. This gate had two entrances for employees and one for vehicles. Three to four guards were on constant duty at this gate, checking the plant passes and the contents of the vehicles.
- Storage. This was a one-story red brick building about 20 by 10 Point 106. meters in area dimension where various carpentry products, made in point 103 above and in point 109 below, were stored.
- Point 107. Storage area. This was an open air storage area about 100 meters long and 50 meters wide where empty wooden boxes, wooden boxes containing aircraft parts, and Duraluminum sheets were stored.
- Point 108. Weight repair shop. This was a one-story brick building, about 30 meters long and 15 meters wide where scales, ranging in capacity from five kilograms to 350 kilograms, were repaired and tested. these scales had no connection with Plant 30, but were for other (unknown) factories. This shop

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		operated in two shifts, employing about 200 people.	
	Point 109.	Carpenter shop. This was a one-story brick building, ab x 15 meters in area dimension where window frames, parquing and doors for apartment buildings were made. This s operated in two shifts, and employed about 150 people.	et floor-
	Point 110.	Botkinskiy Perculok.	
	Point 111.	Trolley stop.	
	Point 112.	Leningradskoye Shosse.	
	Point 113.	Southern entrance to the subway station "Dinamo".	
	Point 114.	Northern entrance to the subway station "Dinamo".	50X1-HUM
	Point 115.	Stadium "Dinamo".	í
	Point 116.	officers attended this academy, for a period of five yes 400-500 Chinese cadets in uniform march near the several officers in Bulgarian, Hunga	rs. Academy. rian ₅₀₀₄ LULM
		Czech and Polish uniforms in the vicinity of the Academy Several Spitfires, Aircobras, and Liberator bombers were in front of the Zhukov Aviation Academy.	•
	Point 117.	Subway station "Aeroport".	0X1-HUM
	Instrument	Shop No. 9	X1-HUM
5.	shop occupi dies, micro rulers, and pliers, scr No. 9. In remained w	led an area about 120 x 35 meters and manufactured screw of cometers, bore diameters, bits, drills, wrenches, nuts and i some items which went into the aircraft tool kits, such rew drivers, and hammers. In 1946-47 it was designated at 1956 the designation was changed to No. 53, however the	bolts, as Shop
	Point 1.	Entrance.	
	Point 2.	Offices. This area was about 15 meters square and cont offices for the shop manager, bookkeeping, technical an sections and the timekeeper. A total of about 12-15 pe worked in these offices, in one shift only.	d control
	Point 3.	Repair section for lathes and other stands - area about 10 meters containing machinists benches, three or four two milling stands, and two planing machines. These mawere German and USSR make. This section worked shifts and employed about 15 people on each shift.	lathes, chines
	Point 4.	Lathe section. This was an area about 30 \times 10 meters, 30 lathes of USSR and German make. This section usuall	containing y worked

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in two shifts, and 50-60 people worked on each shift. There were about 30-35 lathe operators, 10 machinists, five assistants, one inspector and one foreman assigned to each shift.

- Point 5. Freight devator, with a platform four meters square.
- Point 6. Corridor, about 100 meters long, 10 meters wide.
- Point 7. Supply point three storage rooms, each about 35 x five meters in area dimension. In each store room were two or three men who issued various tools to the shop workers.
- Point 8. Corridor, about 120 meters long and five meters wide.
- Point 9. Instrument section area of about 35 meters x five meters containing machinists benches. This shop made and assembled all the tools which went into the aircraft tool kit. This section worked in two shifts, and about 25 people were assigned to each shift.

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- Point 10. Cutting and polishing machines. Area about 35 meters by five meters containing 15 polishing-grinding machines and five or six cutting machines. These machines were USER and German make. This section worked in two shifts and employed about 25 men on each shift.
- Point 11. Welding and cutting machines. Area about five meters by ten meters containing two or three Soviet-make velding machines and one Soviet-make cutting machine. These machines were used by the workers of the various sections of Shop No. 9.
- Point 12. Lathe section. An area about 20 meters x 10 meters, containing 15 lathes placed in two rows. One row was composed of German-make lathes, type "Kerzer" or "Kerzer", and the other row consisted of Soviet-make lathes. There were five or six machinist benches. This section worked in two shifts, employing about 30 men on each shift, including about 15-20 lathe operators, six or seven machinists, three porters, one inspector-controller, and one foreman on each shift.
- Point 13. Lathes and milling machines. An area about 20 meters x 10 meters which contained 10 lathes and 10 milling machines, all of Soviet make. This section worked in two shifts, employing about 40 men on each shift.
- Point 14. Machinists benches an area about 20 meters x 10 meters containing 10-15 machinists and mechanics work benches. This section worked in two shifts, employing about 20 men on each shift.
- Point 15. Precision Instrument Section. An area about 20 moters x 10 meters, containing precision instrument stands. This section, which worked two shifts and employed about 50 men on each shift, made bore diameter gauges and micrometers.
- Point 16. Entrance.

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Point 17. Polishing-grinding section. An area about 35 meters by five meters, containing eight polishing-grinding machines. This section worked in two shifts, employing about 15 men on each shift. ______ a total of 600 people worked in Shop No. 9.

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Shop No. 10 and Repair Shop

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- 46. Refer to page 35 dketch of Repair Shop and Shop No. 10 (point 22, Plant Layout). The following logend identifies numerical designations:
 - Figure A. Shop No. 10 area, about 25 meters by 35 meters.
 - Point 1. Machine Repair Shop. This was an area 15 meters x 10 meters, containing five lathes, three milling machines, four planing machines and two drilling machines.
 - Point 2. Machinists Section. This was an area about 10 meters square containing about six machinists benchos.
 - Point 3. Assembly Section. This was an area about 15 meters x 10 meters containing 15 assembly cylinders or drums (sic) (Sborochnyy Baraban).
 - Point 4. Corridor, 10 meters square.
 - Point 5. Machinists Section, same as point 2 above.
 - Point 6. Machinists Section, same as point 2 above.
 - Point 7. Corridor, 10 meters long and five meters wide.
 - Point 8. Corridor, 25 meters long and two or three meters wide.
 - Point 9. Lavatories. This was an area about five meters by three meters.
 - Point 10. Offices. This was an area about 20 meters by three meters, containing offices for bookkeeping, technicians, shop foremen, and manager of Shop No. 10.
- 47. Figure B. Repair Shop, area about 50 meters x 35 meters.
 - Point 1. Offices. This was an area about 40 meters by three meters, containing offices for bookkeeping, technicians, foremen, and manager of the Repair Shop.
 - Point 2. Corridor, about 40 meters by two meters.
 - Point 3. Repair Shop. This was an area about 40 meters by 30 meters, containing about 20 lathes, 15 milling machines, five

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polishing-grinding machines, three to five drilling machines, six planning machines, 15-25 machinist work benches and stands for electricians.

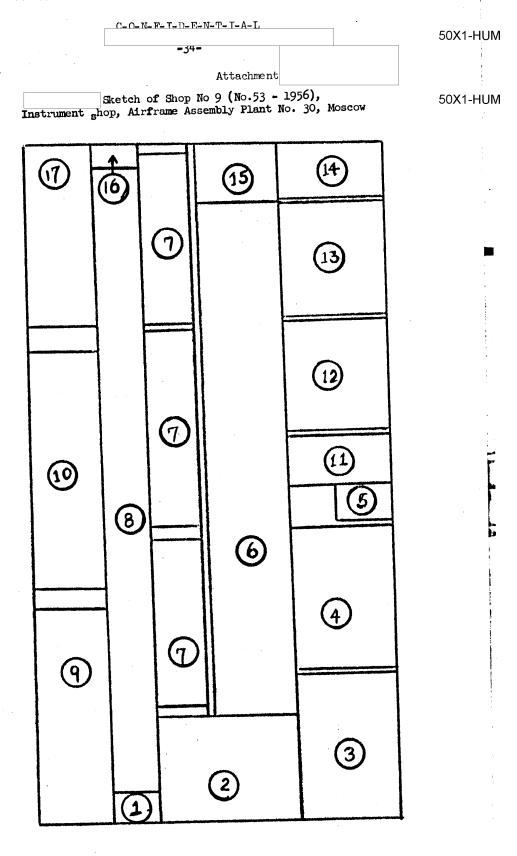
Point 4. Heavy machinery section. This was an area about 35 meters x 10 meters, containing one round planing machine (Karuselnyy Strogatelnyy), one large German-make planing machines, type "Billeter", two or three large boring machines, as well as machinists benches.

Comment

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 YaGZ is identified as the Yaroslavl State Plant (Yaroslavlskiy Gosudarstvenniy Zavod). YAZ is identified as the Yaroslavl Automobile Plant (Yaroslavlskiy Avtomobilnyy Zavod).

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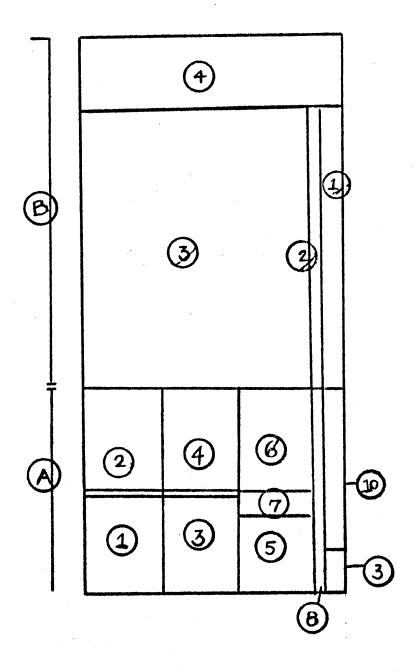


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Sketch of Repair Shop and Shop No. 10, Airframe Assembly Plant No. 30, Moscow 50X1-HUM

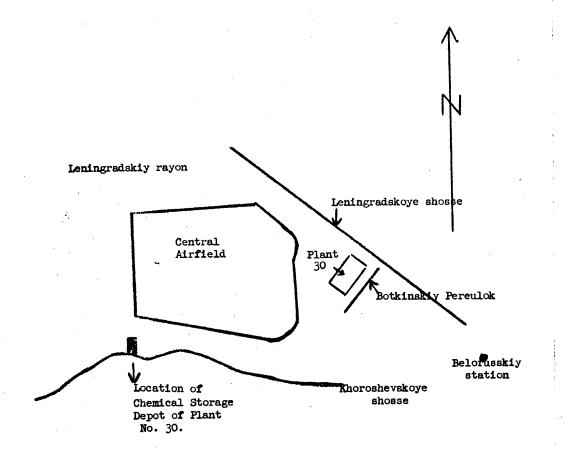


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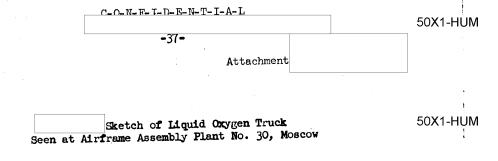
Overlay of Moscow City Plan, Scale 1:35,000

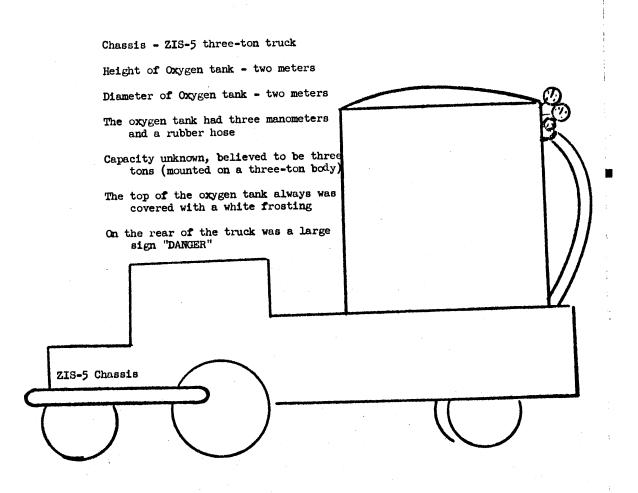
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Pinpointing Location of Chemical Storage Depot
for Airframe Assembly Plant No. 30, Moscow



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